Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Optics Communications 218 (2003) 425–431
OPTICS COMMUNICATIONS
www.elsevier.com/locate/optcom

Author index to volume 218

Abedin, K.M., M. Álvarez, A. Costela, I. García-Moreno, O. García, R. Sastre, D.W. Coutts and C.E. Webb, 10 kHz repetition rate solid-state dye laser pumped by diode-pumped solid-state laser 218 (2003) 359
Aboites, V., see García-López, J.H. 218 (2003) 155
Adams, M.J., see Talli, G. 218 (2003) 161
Álvarez, M., see Abedin, K.M. 218 (2003) 359

Baby, V., B.C. Wang, L. Xu, I. Glesk and P.R. Prucnal, Highly scalable serial–parallel optical delay line 218 (2003) 235
Baltazar, R., C. Solano, G. Martínez-Ponce and A.A. Camacho P, Optical heterodyne method to measure phase objects 218 (2003) 73
Barnes, T.H., see Cheung, D.C.L. 218 (2003) 33
Belić, M.R., see Pauly, F. 218 (2003) 385
Besnard, P., see Maran, J.-N. 218 (2003) 81
Bi, Y., R. Li, Y. Feng, X. Lin, D. Cui and Z. Xu, Walk-off compensation of second harmonic generation in type-II phase-matched configuration with controlled temperature 218 (2003) 183
Braxmaier, C., see Hecker, A. 218 (2003) 131
Breunig, H.G., see Voss, T. 218 (2003) 415
Broderick, N.G.R., see Peacock, A.C. 218 (2003) 167
Bui, A.A., see Kachynski, A.V. 218 (2003) 351

Cai, L.Z., see Yang, X.L. 218 (2003) 325
Camacho P, A.A., see Baltazar, R. 218 (2003) 73
Cantelar, E., see Vázquez, G.V. 218 (2003) 141
Carbone, F., see Tonello, A. 218 (2003) 273
Castro, M., see Soto, H. 218 (2003) 243
Chavez Boggio, J.M., P. Dainese and H.L. Fragnito, Performance of a two-pump fiber optical parametric amplifier in a 10 Gb/s × 64 channel dense wavelength division multiplexing system 218 (2003) 303
Chen, G., see Yao, B. 218 (2003) 125
Chen, K.-H., see Hsu, C.-C. 218 (2003) 205
Chen, L.-X. and D. Kim, A bistable switching of two-dimensional photonic crystal with Kerr point defect 218 (2003) 19
Chen, M., see Yan, J. 218 (2003) 49
Chen, Y., M. Huang, Y. Huang and Z. Luo, Simultaneous green and blue laser radiation based on a nonlinear laser crystal Nd:$GdAl_3(BO_3)_4$ and a nonlinear optical crystal KTP 218 (2003) 379

doi:10.1016/S0030-4018(03)01332-4

Cheung, D.C.L., T.H. Barnes and T.G. Haskell, Feedback interferometry with membrane mirror for adaptive optics 218 (2003) 33
Costela, A., see Abedin, K.M. 218 (2003) 359
Coutts, D.W., see Abedin, K.M. 218 (2003) 359
Cui, D., see Bi, Y. 218 (2003) 183

Dai, Y., see Yan, J. 218 (2003) 49
Dainese, P., see Chavez Boggio, J.M. 218 (2003) 303
Damzen, M.J., see García-López, J.H. 218 (2003) 155
Damzen, M.J., see Lam, S.Y. 218 (2003) 365
Das, M., see Thyagarajan, K. 218 (2003) 67
de Sterke, C.M., see Lenz, G. 218 (2003) 87
Doicu, A., Null-field method to electromagnetic scattering from uniaxial anisotropic particles 218 (2003) 11
Domenech, M., see Vázquez, G.V. 218 (2003) 141
Dominique, P., see Philippe, L. 218 (2003) 249
Dong, Y., see Yan, J. 218 (2003) 49
Dörfler, U., see Goulkov, M. 218 (2003) 173
Doya, V., see Philippe, L. 218 (2003) 249
Driben, R., B.A. Malomed, M. Gutin and U. Mahlab, Implementation of non-linearity management for Gaussian pulses in a fiber-optic link by means of second-harmonic-generating modules 218 (2003) 93

Eichhorn, M., see Singer, K. 218 (2003) 371
El-Sherif, A.F. and T.A. King, High-energy, high-brightness Q-switched Tm^{3+}-doped fiber laser using an electro-optic modulator 218 (2003) 337
Erasme, D., see Soto, H. 218 (2003) 243

Fabrice, M., see Philippe, L. 218 (2003) 249
Feng, J., see Yan, J. 218 (2003) 49
Feng, Y., see Bi, Y. 218 (2003) 183
Fölling, S., see Singer, K. 218 (2003) 371
Fragnito, H.L., see Chavez Boggio, J.M. 218 (2003) 303

García, O., see Abedin, K.M. 218 (2003) 359
García-López, J.H., V. Aboites, A.V. Kir'yanov, M.J. Damzen and A. Minassian, High repetition rate Q-switching of high power Nd:YVO_4 slab laser 218 (2003) 155
García-Moreno, I., see Abedin, K.M. 218 (2003) 359
Glesk, I., see Baby, V. 218 (2003) 235
Goulkov, M., T. Granzow, U. Dörfler, Th. Woike, M. Imlau, R. Pankrath and W. Kleemann, Temperature dependent determination of the linear electrooptic coefficient r_{33} in $Sr_{0.61}Ba_{0.39}Nb_2O_6$ single crystals by means of light-induced scattering 218 (2003) 173
Granzow, T., see Goulkov, M. 218 (2003) 173
Guo, G.-C., see Ye, L. 218 (2003) 333
Gutin, M., see Driben, R. 218 (2003) 93
Gutowski, J., see Voss, T. 218 (2003) 415

Ha Woo, D., see Hun Kim, J. 218 (2003) 345
Hampp, N., see Yao, B. 218 (2003) 125
Haskell, T.G., see Cheung, D.C.L. 218 (2003) 33
Havenith, M., see Hecker, A. 218 (2003) 131
Hecker, A., M. Havenith, C. Braxmaier, U. Strößner and A. Peters, High resolution Doppler-free spectroscopy of molecular iodine using a continuous wave optical parametric oscillator 218 (2003) 131
Hermerschmidt, A., see Wang, F. 218 (2003) 135
Hlubina, P., White-light spectral interferometry to measure intermodal dispersion in two-mode elliptical-core optical fibres 218 (2003) 283
Ho Kim, S., see Hun Kim, J. 218 (2003) 345
Hsu, C.-C., K.-H. Chen and D.-C. Su, Normal incidence refractometer 218 (2003) 205
Huang, M., see Chen, Y. 218 (2003) 379
Huang, Y., see Chen, Y. 218 (2003) 379
Hun Kim, J., Y. Tae Byun, Y. Min Jhon, S. Lee, D. Ha Woo and S. Ho Kim, All-optical half adder using semiconductor optical amplifier based devices 218 (2003) 345

Imlau, M., see Goulkov, M. 218 (2003) 173
Ingledew, G., N.F. Smyth and A.L. Worthy, Raman induced destabilisation of asymmetric coupled solitary waves in nonlinear twin-core fibres 218 (2003) 255

Janucki, J. and J. Owsik, A Wiener filter based correlation method intended to evaluate effectiveness of holographic security devices 218 (2003) 221
Jia, Y., see Liu, Y. 218 (2003) 27
Jian, S., see Tong, Z. 218 (2003) 105
Jin, G.L., see Liu, G.J. 218 (2003) 113
Joachim Eichler, H., see Wang, F. 218 (2003) 135

Kachynski, A.V., V.A. Orlovich, A.A. Bui, V.D. Kopachevsky, A.V. Kudryakov and W. Kiefer, All solid-state pulsed ultraviolet laser widely tunable down to 188.5 nm 218 (2003) 351
Kaiser, F., see Pauly, F. 218 (2003) 385
Kalashnikov, V.L., Pulse shortening in the passive Q-switched lasers with intracavity stimulated Raman scattering 218 (2003) 147
Kang, J.U., see Kim, C.-S. 218 (2003) 291
Kiefer, W., see Kachynski, A.V. 218 (2003) 351
Kim, C.-S., R.M. Sova and J.U. Kang, Tunable multi-wavelength all-fiber Raman source using fiber Sagnac loop filter 218 (2003) 291
Kim, D., see Chen, L.-X. 218 (2003) 19
King, T.A., see El-Sherif, A.F. 218 (2003) 337
Kir'yanov, A.V., see García-López, J.H. 218 (2003) 155
Kleemann, W., see Goulkov, M. 218 (2003) 173
Kopachevsky, V.D., see Kachynski, A.V. 218 (2003) 351
Kudryakov, A.V., see Kachynski, A.V. 218 (2003) 351
Kukhlevsky, S.V. and G. Nyitray, Stopping of diffraction-free beams by interference collapse 218 (2003) 213

Lam, S.Y. and M.J. Damzen, Self-adaptive holographic solid-state dye laser 218 (2003) 365
LaRochelle, S., see Maran, J.-N. 218 (2003) 81

Lee, S., see Hun Kim, J. 218 (2003) 345
Lei, M., see Yao, B. 218 (2003) 125
Lenz, G., R. Parker, M.C. Wanke and C.M. de Sterke, Dynamical localization and AC Bloch oscillations in periodic optical waveguide arrays 218 (2003) 87
Li, C.-y., see Sun, C.-c. 218 (2003) 297
Li, Q., see Liu, G.J. 218 (2003) 113
Li, R., see Bi, Y. 218 (2003) 183
Liang, B.M., see Liu, G.J. 218 (2003) 113
Lifante, G., see Vázquez, G.V. 218 (2003) 141
Lin, J.-Y. and D.-C. Su, A new method for measuring the chiral parameter and the average refractive index of a chiral liquid 218 (2003) 317
Lin, X., see Bi, Y. 218 (2003) 183
Liu, G.J., B.M. Liang, Q. Li and G.L. Jin, Multiple coupling length nonlinear directional couplers with variable coupling coefficient 218 (2003) 113
Liu, Q., see Yang, X.L. 218 (2003) 325
Liu, Y., B. Zhang, Y. Jia and K. Xu, Improvement of the diffraction properties in holographic polymer dispersed liquid crystal bragg gratings 218 (2003) 27
Lucarini, V., J.J. Saarinen and K.-E. Peiponen, Multiply subtractive Kramers–Krönig relations for arbitrary-order harmonic generation susceptibilities 218 (2003) 409
Luo, Z., see Chen, Y. 218 (2003) 379

Mahlab, U., see Driben, R. 218 (2003) 93
Malomed, B.A., see Driben, R. 218 (2003) 93
Maran, J.-N., S. LaRochelle and P. Besnard, C-band multi-wavelength frequency-shifted erbium-doped fiber laser 218 (2003) 81
Martínez-Ponce, G., see Baltazar, R. 218 (2003) 73
Márquez, H., see Vázquez, G.V. 218 (2003) 141
Miao, R., Z. Yang and J. Zhu, Critical light reflection from curved liquid surface 218 (2003) 199
Min Jhon, Y., see Hun Kim, J. 218 (2003) 345
Minassian, A., see García-López, J.H. 218 (2003) 155
Monro, T.M., see Peacock, A.C. 218 (2003) 167
Monzón, J.J., T. Yonte and L.L. Sánchez-Soto, Characterizing the reflectance of periodic layered media 218 (2003) 43

Nyitray, G., see Kukhlevsky, S.V. 218 (2003) 213

Olivier, L., see Philippe, L. 218 (2003) 249
Orlovich, V.A., see Kachynski, A.V. 218 (2003) 351
Owsik, J., see Janucki, J. 218 (2003) 221

Pablo Claude, J., see Sun, W. 218 (2003) 189
Pankrath, R., see Goulkov, M. 218 (2003) 173
Park, Y., see Shin, S. 218 (2003) 119
Parker, R., see Lenz, G. 218 (2003) 87
Patton, T.H., see Sun, W. 218 (2003) 189
Pauly, F., O. Sandfuchs, F. Kaiser and M.R. Belić, High-modulation-depth effects in photorefractive wave mixing: influence on pattern formation and physical foundations 218 (2003) 385

Peacock, A.C., N.G.R. Broderick and T.M. Monro, Numerical study of parabolic pulse generation in microstructured fibre Raman amplifiers 218 (2003) 167
Peiponen, K.-E., see Lucarini, V. 218 (2003) 409
Peters, A., see Hecker, A. 218 (2003) 131
Philippe, R., see Philippe, L. 218 (2003) 249
Philippe, L., V. Doya, R. Philippe, P. Dominique, M. Fabrice and L. Olivier, Experimental study of pump power absorption along rare-earth-doped double clad optical fibres 218 (2003) 249
Prucnal, P.R., see Baby, V. 218 (2003) 235

Quan, C., see Tay, C.J. 218 (2003) 1

Reetz-Lamour, M., see Singer, K. 218 (2003) 371
Rickards, J., see Vázquez, G.V. 218 (2003) 141
Romagnoli, M., see Tonello, A. 218 (2003) 273
Roy, S., see Singh, C.P. 218 (2003) 55
Rückmann, I., see Voss, T. 218 (2003) 415

Saarinen, J.J., see Lucarini, V. 218 (2003) 409
Sánchez-Soto, L.L., see Monzón, J.J. 218 (2003) 43
Sandfuchs, O., see Pauly, F. 218 (2003) 385
Sastre, R., see Abedin, K.M. 218 (2003) 359
Satyanarayan, M.N., see Thyagarajan, K. 218 (2003) 67
Shang, H.M., see Tay, C.J. 218 (2003) 1
Shin, S. and Y. Park, Protection of Gigabit-Ethernet systems by Q-factor estimation and its implementation 218 (2003) 119
Singer, K., M. Tscherneck, M. Eichhorn, M. Reetz-Lamour, S. Fölling and M. Weide-Müller, Phase-coherent addition of laser beams with identical spectral properties 218 (2003) 371
Singh, C.P. and S. Roy, All-optical switching in bacteriorhodopsin based on M state dynamics and its application to photonic logic gates 218 (2003) 55
Singh, K., see Sinha, A. 218 (2003) 229
Sinha, A. and K. Singh, A technique for image encryption using digital signature 218 (2003) 229
Smyth, N.F., see Ingledew, G. 218 (2003) 255
Socci, L., see Tonello, A. 218 (2003) 273
Solano, C., see Baltazar, R. 218 (2003) 73
Soto, H., J.D. Topomondzo, D. Erasme and M. Castro, All-optical NOR gates with two and three input logic signals based on cross-polarization modulation in a semiconductor optical amplifier 218 (2003) 243
Sova, R.M., see Kim, C.-S. 218 (2003) 291
Strößner, U., see Hecker, A. 218 (2003) 131
Stultz, L.K., see Sun, W. 218 (2003) 189
Su, D.-C., see Hsu, C.-C. 218 (2003) 205
Su, D.-C., see Lin, J.-Y. 218 (2003) 317
Sun, C.-c., C.-y. Li and X.-n. Yu, Study on sampled chirped fiber gratings 218 (2003) 297
Sun, W., T.H. Patton, L.K. Stultz and J. Pablo Claude, Resonant third-order nonlinearities of tetrakis(2,2′-dipyridyl)diruthenium complexes 218 (2003) 189

Tae Byun, Y., see Hun Kim, J. 218 (2003) 345
Talli, G. and M.J. Adams, Amplified spontaneous emission in semiconductor optical amplifiers: modelling and experiments 218 (2003) 161
Tay, C.J., S.H. Wang, C. Quan and H.M. Shang, In situ surface roughness measurement using a laser scattering method 218 (2003) 1
Thyagarajan, K., M. Das and M.N. Satyanarayan, A simple and direct method to estimate long period grating parameters 218 (2003) 67
Tonello, A., F. Carbone, L. Socci and M. Romagnoli, Carrier frequency hopping for optical pulse transmission in dispersion-managed fiber systems 218 (2003) 273
Tong, Z., H. Wei and S. Jian, Transient responses to slowly varying input waveforms in backward pumped Raman amplifiers 218 (2003) 105
Topomondzo, J.D., see Soto, H. 218 (2003) 243
Tscherneck, M., see Singer, K. 218 (2003) 371

Vázquez, G.V., J. Rickards, H. Márquez, G. Lifante, E. Cantelar and M. Domenech, Optical waveguides in Nd:YAG by proton implantation 218 (2003) 141
Voss, T., H.G. Breunig, I. Rückmann and J. Gutowski, Optical coherent control and phase shift of excitonic and biexcitonic four-wave-mixing polarization 218 (2003) 415

Wan, X., Monitoring fiber Bragg grating pair interferometer sensor with a modulated diode laser 218 (2003) 311
Wang, B.C., see Baby, V. 218 (2003) 235
Wang, F., A. Hermerschmidt and H. Joachim Eichler, Narrow-bandwidth high-power output of a laser diode array with a simple external cavity 218 (2003) 135
Wang, S.H., see Tay, C.J. 218 (2003) 1
Wang, Y., see Yao, B. 218 (2003) 125
Wang, Y.R., see Yang, X.L. 218 (2003) 325
Wanke, M.C., see Lenz, G. 218 (2003) 87
Webb, C.E., see Abedin, K.M. 218 (2003) 359
Wei, H., see Tong, Z. 218 (2003) 105
Weide-Müller, M., see Singer, K. 218 (2003) 371
Woike, Th., see Goulkov, M. 218 (2003) 173
Worthy, A.L., see Ingledew, G. 218 (2003) 255

Xie, S., see Yan, J. 218 (2003) 49
Xu, K., see Liu, Y. 218 (2003) 27
Xu, K., see Yan, J. 218 (2003) 49
Xu, L., see Baby, V. 218 (2003) 235
Xu, Z., see Bi, Y. 218 (2003) 183

Yan, J., K. Xu, M. Chen, J. Feng, Y. Dai, Y. Dong, S. Xie and B. Zhou, Performance evaluation of systems using a novel adjustable first-order PMD compensator and forward error correction 218 (2003) 49
Yang, X.L., L.Z. Cai, Y.R. Wang and Q. Liu, Interference technique by three equal-intensity umbrellalike beams with a diffractive beam splitter for fabrication of two-dimensional trigonal and square lattices 218 (2003) 325
Yang, Z., see Miao, R. 218 (2003) 199

Yao, B., Y. Zheng, Y. Wang, M. Lei, G. Chen and N. Hampp, Kinetic spectra of light-adaptation dark-adaptation and M-intermediate of BR-D96N 218 (2003) 125
Ye, L., J. Zhang and G.-C. Guo, Teleportation of two-photon entangled state via linear optical elements 218 (2003) 333
Yonte, T., see Monzón, J.J. 218 (2003) 43
Yu, X.-n., see Sun, C.-c. 218 (2003) 297

Zhang, B., see Liu, Y. 218 (2003) 27
Zhang, J., see Ye, L. 218 (2003) 333
Zheng, Y., see Yao, B. 218 (2003) 125
Zhou, B., see Yan, J. 218 (2003) 49
Zhu, J., see Miao, R. 218 (2003) 199

ELSEVIER

Available online at www.sciencedirect.com

SCIENCE DIRECT®

Optics Communications 218 (2003) 433–436

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 218

Propagation and scattering

C.J. Tay, S.H. Wang, C. Quan and H.M. Shang, In situ surface roughness measurement using a laser scattering method 1

A. Doicu, Null-field method to electromagnetic scattering from uniaxial anisotropic particles 11

L.-X. Chen and D. Kim, A bistable switching of two-dimensional photonic crystal with Kerr point defect 19

Y. Liu, B. Zhang, Y. Jia and K. Xu, Improvement of the diffraction properties in holographic polymer dispersed liquid crystal bragg gratings 27

D.C.L. Cheung, T.H. Barnes and T.G. Haskell, Feedback interferometry with membrane mirror for adaptive optics 33

J.J. Monzón, T. Yonte and L.L. Sánchez-Soto, Characterizing the reflectance of periodic layered media 43

R. Miao, Z. Yang and J. Zhu, Critical light reflection from curved liquid surface 199

C.-C. Hsu, K.-H. Chen and D.-C. Su, Normal incidence refractometer 205

S.V. Kukhlevsky and G. Nyitray, Stopping of diffraction-free beams by interference collapse 213

Optical information, image formation and analysis, optical computing

J. Yan, K. Xu, M. Chen, J. Feng, Y. Dai, Y. Dong, S. Xie and B. Zhou, Performance evaluation of systems using a novel adjustable first-order PMD compensator and forward error correction 49

C.P. Singh and S. Roy, All-optical switching in bacteriorhodopsin based on M state dynamics and its application to photonic logic gates 55

J. Janucki and J. Owsik, A Wiener filter based correlation method intended to evaluate effectiveness of holographic security devices 221

A. Sinha and K. Singh, A technique for image encryption using digital signature 229

Optical communications

K. Thyagarajan, M. Das and M.N. Satyanarayan, A simple and direct method to estimate long period grating parameters 67

doi:10.1016/S0030-4018(03)01333-6

R. Baltazar, C. Solano, G. Martínez-Ponce and A.A. Camacho P, Optical heterodyne method to measure phase objects 73

J.-N. Maran, S. LaRochelle and P. Besnard, C-band multi-wavelength frequency-shifted erbium-doped fiber laser 81

G. Lenz, R. Parker, M.C. Wanke and C.M. de Sterke, Dynamical localization and AC Bloch oscillations in periodic optical waveguide arrays 87

R. Driben, B.A. Malomed, M. Gutin and U. Mahlab, Implementation of non-linearity management for Gaussian pulses in a fiber-optic link by means of second-harmonic-generating modules 93

Z. Tong, H. Wei and S. Jian, Transient responses to slowly varying input waveforms in backward pumped Raman amplifiers 105

G.J. Liu, B.M. Liang, Q. Li and G.L. Jin, Multiple coupling length nonlinear directional couplers with variable coupling coefficient 113

S. Shin and Y. Park, Protection of Gigabit-Ethernet systems by Q-factor estimation and its implementation 119

V. Baby, B.C. Wang, L. Xu, I. Glesk and P.R. Prucnal, Highly scalable serial–parallel optical delay line 235

H. Soto, J.D. Topomondzo, D. Erasme and M. Castro, All-optical NOR gates with two and three input logic signals based on cross-polarization modulation in a semiconductor optical amplifier 243

L. Philippe, V. Doya, R. Philippe, P. Dominique, M. Fabrice and L. Olivier, Experimental study of pump power absorption along rare-earth-doped double clad optical fibres 249

G. Ingledew, N.F. Smyth and A.L. Worthy, Raman induced destabilisation of asymmetric coupled solitary waves in nonlinear twin-core fibres 255

A. Tonello, F. Carbone, L. Socci and M. Romagnoli, Carrier frequency hopping for optical pulse transmission in dispersion-managed fiber systems 273

P. Hlubina, White-light spectral interferometry to measure intermodal dispersion in two-mode elliptical-core optical fibres 283

C.-S. Kim, R.M. Sova and J.U. Kang, Tunable multi-wavelength all-fiber Raman source using fiber Sagnac loop filter 291

C.-c. Sun, C.-y. Li and X.-n. Yu, Study on sampled chirped fiber gratings 297

J.M. Chavez Boggio, P. Dainese and H.L. Fragnito, Performance of a two-pump fiber optical parametric amplifier in a 10 Gb/s × 64 channel dense wavelength division multiplexing system 303

X. Wan, Monitoring fiber Bragg grating pair interferometer sensor with a modulated diode laser 311

Atomic and molecular physics

B. Yao, Y. Zheng, Y. Wang, M. Lei, G. Chen and N. Hampp, Kinetic spectra of light-adaptation dark-adaptation and M-intermediate of BR-D96N 125

A. Hecker, M. Havenith, C. Braxmaier, U. Strößner and A. Peters, High resolution Doppler-free spectroscopy of molecular iodine using a continuous wave optical parametric oscillator 131

Condensed matter

J.-Y. Lin and D.-C. Su, A new method for measuring the chiral parameter and the average refractive index of a chiral liquid 317

X.L. Yang, L.Z. Cai, Y.R. Wang and Q. Liu, Interference technique by three equal-intensity umbrellalike beams with a diffractive beam splitter for fabrication of two-dimensional trigonal and square lattices 325

Quantum optics

L. Ye, J. Zhang and G.-C. Guo, Teleportation of two-photon entangled state via linear optical elements 333

Laser physics and laser sources

F. Wang, A. Hermerschmidt and H. Joachim Eichler, Narrow-bandwidth high-power output of a laser diode array with a simple external cavity 135

G.V. Vázquez, J. Rickards, H. Márquez, G. Lifante, E. Cantelar and M. Domenech, Optical waveguides in Nd:YAG by proton implantation 141

V.L. Kalashnikov, Pulse shortening in the passive Q-switched lasers with intracavity stimulated Raman scattering 147

J.H. García-López, V. Aboites, A.V. Kir'yanov, M.J. Damzen and A. Minassian, High repetition rate Q-switching of high power Nd:YVO_4 slab laser 155

G. Talli and M.J. Adams, Amplified spontaneous emission in semiconductor optical amplifiers: modelling and experiments 161

A.F. El-Sherif and T.A. King, High-energy, high-brightness Q-switched Tm^{3+}-doped fiber laser using an electro-optic modulator 337

J. Hun Kim, Y. Tae Byun, Y. Min Jhon, S. Lee, D. Ha Woo and S. Ho Kim, All-optical half adder using semiconductor optical amplifier based devices 345

A.V. Kachynski, V.A. Orlovich, A.A. Bui, V.D. Kopachevsky, A.V. Kudryakov and W. Kiefer, All solid-state pulsed ultraviolet laser widely tunable down to 188.5 nm 351

K.M. Abedin, M. Álvarez, A. Costela, I. García-Moreno, O. García, R. Sastre, D.W. Coutts and C.E. Webb, 10 kHz repetition rate solid-state dye laser pumped by diode-pumped solid-state laser 359

S.Y. Lam and M.J. Damzen, Self-adaptive holographic solid-state dye laser 365

K. Singer, M. Tscherneck, M. Eichhorn, M. Reetz-Lamour, S. Fölling and M. Weide-Müller, Phase-coherent addition of laser beams with identical spectral properties 371

Y. Chen, M. Huang, Y. Huang and Z. Luo, Simultaneous green and blue laser radiation based on a nonlinear laser crystal Nd:$GdAl_3(BO_3)_4$ and a nonlinear optical crystal KTP 379

Nonlinear optics

A.C. Peacock, N.G.R. Broderick and T.M. Monro, Numerical study of parabolic pulse generation in microstructured fibre Raman amplifiers 167

M. Goulkov, T. Granzow, U. Dörfler, Th. Woike, M. Imlau, R. Pankrath and W. Kleemann, Temperature dependent determination of the linear electrooptic coefficient r_{33} in $Sr_{0.61}Ba_{0.39}Nb_2O_6$ single crystals by means of light-induced scattering 173

Y. Bi, R. Li, Y. Feng, X. Lin, D. Cui and Z. Xu, Walk-off compensation of second harmonic generation in type-II phase-matched configuration with controlled temperature 183

W. Sun, T.H. Patton, L.K. Stultz and J. Pablo Claude, Resonant third-order nonlinearities of tetrakis(2,2′-dipyridyl)diruthenium complexes 189

F. Pauly, O. Sandfuchs, F. Kaiser and M.R. Beli, High-modulation-depth effects in photorefractive wave mixing: influence on pattern formation and physical foundations 385

V. Lucarini, J.J. Saarinen and K.-E. Peiponen, Multiply subtractive Kramers–Krönig relations for arbitrary-order harmonic generation susceptibilities 409

T. Voss, H.G. Breunig, I. Rückmann and J. Gutowski, Optical coherent control and phase shift of excitonic and biexcitonic four-wave-mixing polarization 415